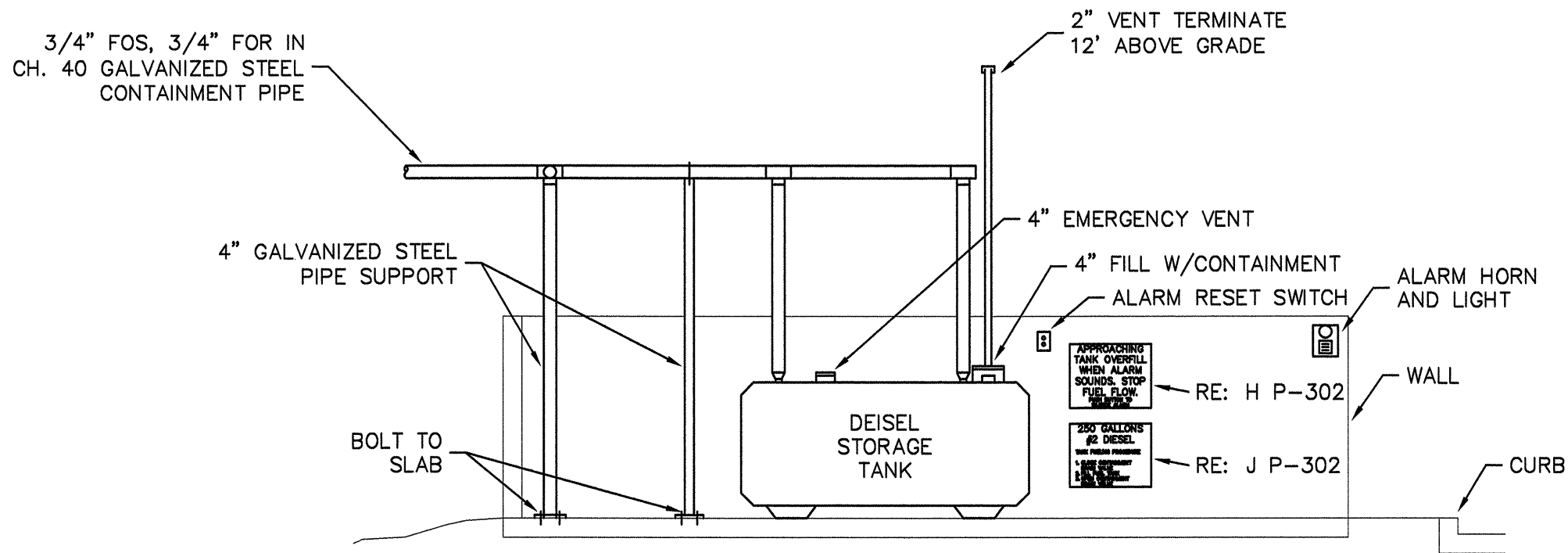


MECHANICAL SYMBOLS			
NOTE: ALL SYMBOLS DO NOT NECESSARILY APPEAR ON PLANS.			
CW	COLD WATER — CW	ATV	ATMOSPHERIC VENT (STEAM)
HW	HOT WATER — HW	A	COMPRESSED AIR
HWR	HOT WATER RETURN	V	VACUUM PIPING
TW	TEMPERED WATER	O	OXYGEN PIPING
THW	TEMPERED HOT WATER	S	STEAM — LOW PRESSURE
---	SANITARY WASTE(DASHED UNDER FLOOR)	MS	STEAM — MEDIUM PRESSURE
----	SANITARY VENT	HSP	STEAM — HIGH PRESSURE
--- SSD ---	STREET OR SITE STORM DRAIN	SR	STEAM RETURN — LOW PRESSURE
--- SS ---	STREET OR SITE SANITARY SEWER	MSR	STEAM RETURN — MEDIUM PRESSURE
AW	ACID WASTE	HSR	STEAM RETURN — HIGH PRESSURE
AV	ACID VENT	CHS	CHILLED-HEATING WATER SUPPLY
D	INDIRECT DRAIN	CHR	CHILLED-HEATING WATER RETURN
RD	ROOF DRAIN	HS	HEATING WATER SUPPLY
SD	STORM DRAIN	HR	HEATING WATER RETURN
F	FIRE PROTECTION WATER SUPPLY	CS	CHILLED WATER SUPPLY
AS	AUTOMATIC SPRINKLER	CR	CHILLED WATER RETURN
G	GAS LOW PRESSURE	CDS	CONDENSING WATER SUPPLY
MG	GAS MEDIUM PRESSURE	CDR	CONDENSING WATER RETURN
DWS	CHILLED DRINKING WATER SUPPLY	RS	REFRIGERANT SUCTION
DWR	CHILLED DRINKING WATER RETURN	RL	REFRIGERANT LIQUID
⊗	BALL VALVE	RHG	REFRIGERANT HOT GAS
⊙	GLOBE VALVE	T	THERMOMETER
⌞	CHECK VALVE	T.W.	THERMOMETER WELL
⊠	MOTOR OPERATED VALVE	□ Y.D.	YARD HYDRANT
⊞	BUTTERFLY VALVE	□ W.H.	WALL HYDRANT
— U —	UNION	⊕	AIR ELIMINATOR-AUTOMATIC
⊗	PLUG COCK	⊗	PRESSURE GAUGE WITH SHUT-OFF COCK
⊗	GAS PRESSURE REGULATOR	— C.O. —	CLEANOUT
⊗	PRESSURE REDUCING VALVE	⊞	FLOAT AND THERMOSTATIC TRAP
⊗	PRESSURE RELIEF VALVE	⊞	THERMOSTATIC TRAP
⊗	FLOW SWITCH	⊞	DRIP ASSEMBLY (REFER DETAIL)
⊗	STRAINER — WYE TYPE	⊞	TRAP ASSEMBLY (REFER DETAIL)
⊗	STRAINER — BASKET TYPE	—	PITCH DOWN IN DIRECTION OF ARROW
⊗	CONCENTRIC REDUCER	—	FLOW IN DIRECTION OF ARROW
x	PIPE ANCHOR	⊙ FD-A	FLOOR DRAIN TYPE "A" INDICATED
—	EXPANSION JOINT	⊙ AD-A	AREA DRAIN TYPE "A" INDICATED
—	PIPE GUIDE	⊕	THERMOSTAT
V.T.R.	VENT THROUGH ROOF	⊕	HUMIDISTAT
V.C.T.	VITRIFIED CLAY TILE	C.I.	CAST IRON
S.A.	SOUND ABSORBER	G.C.	GENERAL CONTRACTOR
M.C.	MECHANICAL CONTRACTOR	E.C.	ELECTRICAL CONTRACTOR
P	PETE'S PLUG	⊕	CONNECT TO EXISTING
CRP	CHILLED WATER RETURN PRIMARY	⊕ FD-E	EXISTING FLOOR DRAIN INDICATED
CSP	CHILLED WATER SUPPLY PRIMARY	⊕	ROOM TEMPERATURE SENSOR
CRS	CHILLED WATER RETURN SECONDARY	⊕	NIGHT 'STAT
CSS	CHILLED WATER SUPPLY SECONDARY	⊕	FLEXIBLE CONNECTOR
DI	DE-IONIZED WATER	⊕	FLOOR DRAIN
RO	REVERSE OSMOSIS WATER	⊕	FLOOR SINK
He	HELIUM GAS	⊕	FUEL OIL SUPPLY
H	HYDROGEN GAS	⊕	FUEL OIL RETURN
P	PROPANE, C3H8		

WATER HEATER SCHEDULE								
WH NO.	MFR.	MODEL NO.	CAPACITY (GAL)	INPUT MBH	RECOVERY CAP. GPH 90° RISE	VOLTS	WATTS	AMPS
WH-1	A.O. SMITH	ECRT-40	40	—	21	240	4500	—

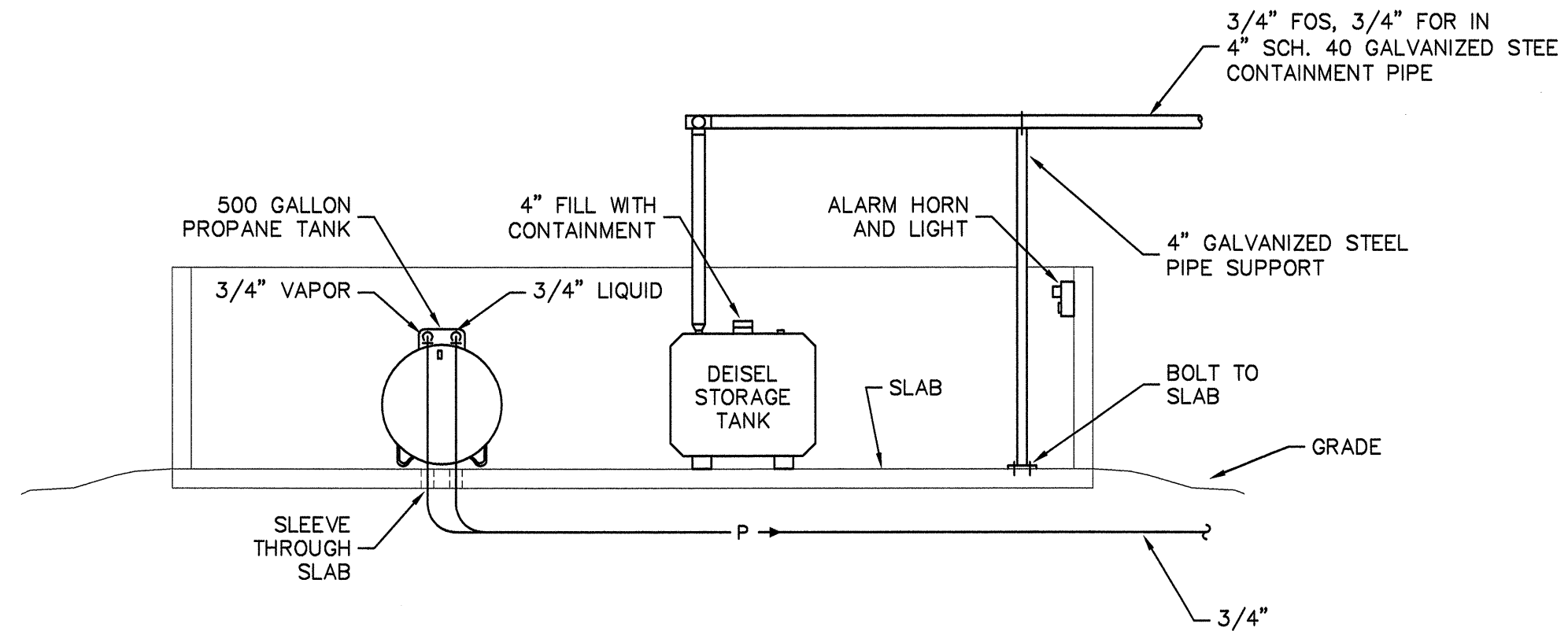
PLUMBING ROUGH-IN SCHEDULE						
CODE	DESCRIPTION	MOUNTING	WASTE	VENT	HW	CW
P-1	WATER CLOSET, FV, HANDICAPPED	WALL	4"	2"	—	1"
P-2	SINGLE COMPARTMENT SINK	COUNTERTOP	2"	1 1/4"	1/2"	1/2"
P-3	MOP SINK	FLOOR	3"	1-1/2"	3/4"	3/4"
P-4	SHOWER	WALL/FLOOR	2"	1-1/4"	1/2"	1/2"
P-5	ELECTRIC WATER COOLER	WALL	1-1/2"	1-1/4"	—	1/2"
P-6	EMERGENCY EYEWASH	WALL	—	—	1"	—
P-7	TEMPERED WATER VALVE	WALL	—	—	3/4"	3/4"
	FLOOR DRAIN	FLOOR	2"	—	—	—
	WALL HYDRANT	WALL	—	—	—	3/4"

FUEL OIL TANK SCHEDULE		
TANK CAPACITY GALLONS	APPROXIMATE TANK SIZE	MANUFACTURER TANK TYPE
250 GALLONS	3'-10"W X 3'-3"H X 7'-8"L	CONVAULT W/STEEL LINER, CONCRETE ENCLOSURE



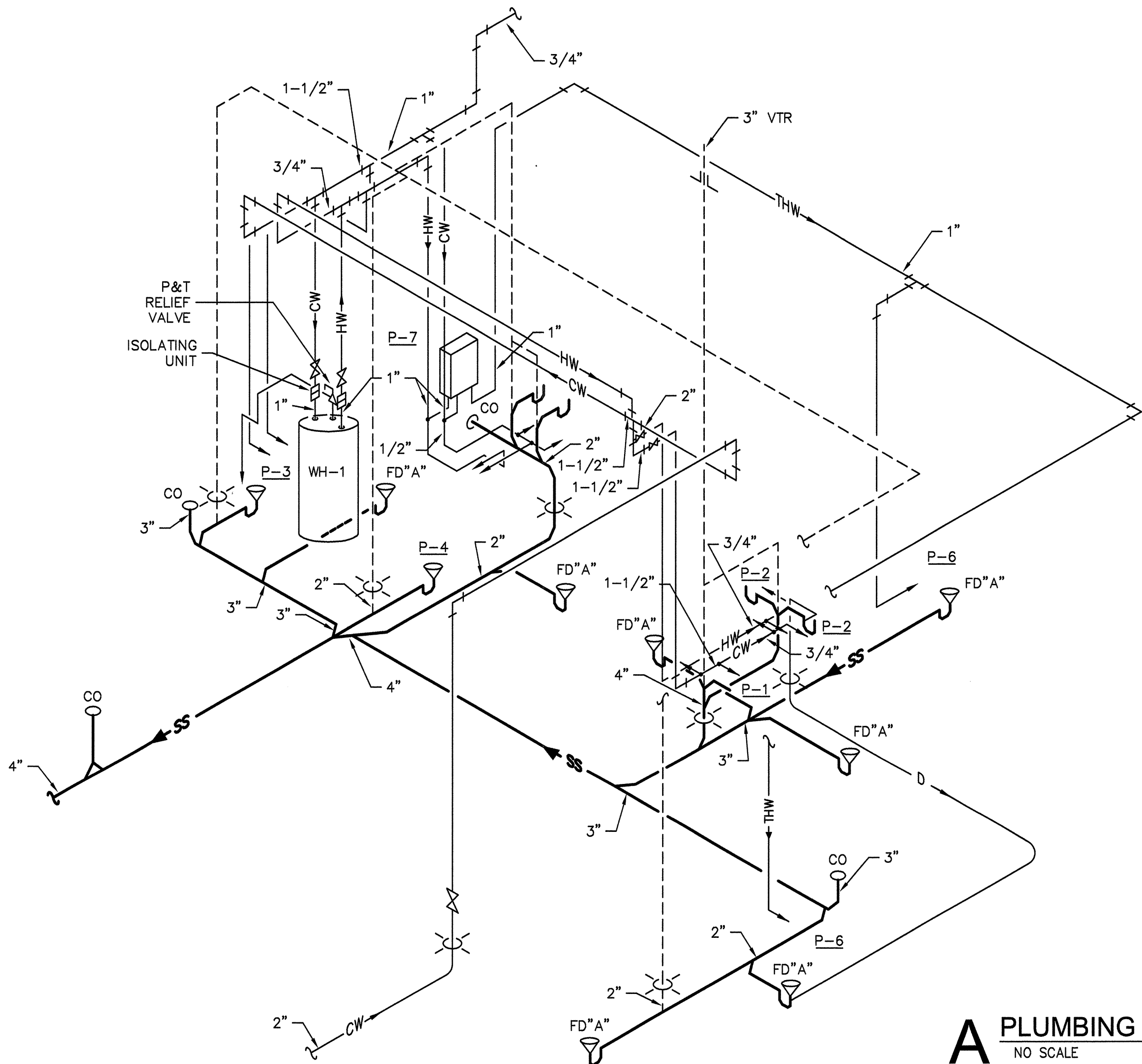
B FUEL STORAGE TANK ELEVATION

SCALE: 1/4" = 1'-0"
RE: P-302, A P-201



C FUEL STORAGE TANK ELEVATION

SCALE: 1/4" = 1'-0"
RE: P-302, A P-201, A P-200



A PLUMBING ISOMETRIC
NO SCALE

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Structural Engineer
Zahl-Ford, Inc.
8411 S. Walker
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P: 405.634.3393 F: 405.634.6414



S -26- II

REV	DATE	DESCRIPTION	CHECK	APP'D
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION MIKE MONROEY AERONAUTICAL CENTER - OKLAHOMA CITY, OKLAHOMA				
PSL - POWER SERVICES LABORATORY				
PLUMBING SCHEDULES				
Construction Work Request No: 09-018745				
PREPARED BY Rees Associates		APPROVED BY Jon Berkman		
DESIGNED SSS	ISSUED BY OFFICE OF FACILITY MANAGEMENT AMP-400	DATE MAY 26, 2011	P-301	
DRAWN SSS	WORK ORDER NO. 100111	DRAWING NO. 08-008257 DWG	3 OF 4	